Gateway Label

Place Label Here

***Note**: The gateway label is located on the bottom of your SBG6580.*

You may need the following information to activate your gateway and set up a wireless network connection:

- **Model** - Gateway model name.
- **SSID** - Default name of your wireless network. Recommended that you change the network name or add additional wireless networks.
- **WI-FI SECURITY KEY** - Needed to access a wireless network using a secure gateway. Recommended that you change the network name which is needed to add additional wireless devices to your wireless network.
- **S/N** - Gateway serial number. Your service provider may require this number to activate your gateway.
- **HFC MAC ID** - Your service provider may require the Media Access Control (MAC) number to activate your gateway.

Notes

Write your additional wireless network information here for future reference.

SSID #1:
Wi-Fi Security Key #1:
SSID #2:
Wi-Fi Security Key #2:
SSID #3:
Wi-Fi Security Key #3:
SSID #4:
Wi-Fi Security Key #4:
Additional SSIDs:
Add'l Wi-Fi Security Keys:

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SURFboard® SBG6580
Wireless Cable Modem Gateway

MOTOROLA | ARRIS

Quick Start Guide

Items In the Box

SBG6580 Wireless Cable Modem Gateway

Power Supply

Ethernet Cable

Software License & Warranty Card

Quick Start Guide

What You Should Know Before Getting Started

This startup guide will help you install your SURFboard® SBG6580 Wireless Cable Modem Gateway and set up a secure wireless network connection. There are three **SBG6580 Connection Video Tutorials** available if you need additional help setting up your gateway. You can access the videos online at the ARRIS Support website, **www.arrisi.com/consumer**, (follow the prompts) or from your mobile device; just text **SBG6580 to 878787** or scan the QR code:

For information on advanced wireless network configurations, see the ***SBG6580 User Guide*** which is available online at the ARRIS Support website. Frequently asked questions (FAQs) and additional product documentation are also available on the support website.

IMPORTANT! You must have a live broadband cable connection installed before starting your gateway installation. If you do not, please contact a service provider for assistance.

When contacting your service provider, you may be asked for the **Model name (SBG6580)**, **HFC MAC ID**, and **Serial number (S/N)** located on the gateway label on the bottom of your SBG6580 (see page 4).

BEFORE RETURNING THIS PRODUCT TO THE STORE for any reason, please call ARRIS Technical Support for assistance: **1-877-466-8646**

Install the Gateway

***Note**: You may need additional items that are not included with your SBG6580 (coaxial cable or RF splitter) to complete your gateway installation.*

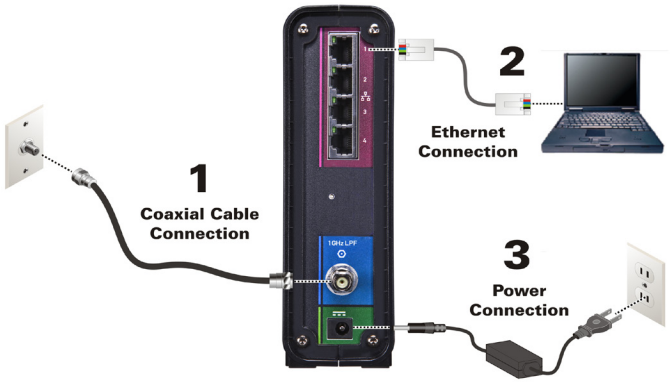
1. Connect the coaxial cable from the cable wall outlet or RF splitter (optional) to the **Cable** connector on the rear of the SBG6580.

   Use your hand to tighten each connector to avoid damaging them.

2. Connect the Ethernet cable to the **Ethernet** port on your computer and to an available **Ethernet** port on the rear of your SBG6580.

3. Connect the power cord to the **Power** port on the rear of the SBG6580 and then plug it into an electrical wall outlet.

   This automatically powers ON your SBG6580. Check the front panel LEDs on your SBG6580. During the initial startup, the **Power**, **Receive**, **Send**, and **Online** LEDs should light up. See **Front Panel LEDs** for more LED information.



Test the Gateway Connections

1. Power ON your computer and log in.
2. Contact your service provider to activate (provision) your SBG6580.

   ***Note**: Your service provider may allow for automatic activation which will automatically launch a special website when you open a web browser. If so, continue with step 3. Otherwise, contact your service provider.*

3. Open a web browser on your computer, such as Internet Explorer, Firefox, Google Chrome, or Safari.
4. Type a valid URL (for example, **www.arrisi.com**) in the address bar and then click or press **Enter**.

   The website should open. If it did not open, please contact your service provider to set up your Internet service or activate your SBG6580.

Front Panel LEDs

During normal operation, the **Power**, **Receive**, **Send**, and **Online** LEDs on the SBG6580 front panel should always be lit. The **Wireless** LED will light up when a wireless connection is made on your home network. If an LED did not light up, contact your service provider for assistance.

Power - Lit SOLID when power is connected
Receive - Lit SOLID when locked on a downstream channel
Send - Lit SOLID when locked on an upstream channel
Online - Lit SOLID when connected to the network
Wireless - Lit SOLID when wireless pairing with all devices is complete; Amber LED will FLASH when WPS is active
WPS Pairing button

Set Up a Wireless Network Connection

Choose one of the following two options to set up your wireless network connections. When done, continue with **Test Your Wireless Network Connection**.

- Computer Wireless Network Options
- WPS Pairing Button

A Set Up the Wireless Network on Your Computer

***Note**: The steps for setting up a wireless network may differ slightly depending on the operating system installed on your computer. The following steps apply to Windows® 7.*

1. From the Windows taskbar, click the following in sequential order:
   - **Start** button
   - **Control Panel**
   - **Network and Sharing Center**
   - **Set up a new connection or network**
   - **Manually connect to a wireless network**

   The Wireless Network Connection window displays.
2. Type the ARRIS wireless network name or a different name to identify your wireless network in the **Network name** field. (Optional: see **SSID** number listed on the gateway label.)
3. Select the network security type from the **Security type** drop-down list.
4. Select the **Encryption** type from the drop-down list.
5. Type your own wireless network password in the **Security Key** field (or use the **Wi-Fi Security key** listed on the gateway label).
6. Select **Hide characters** to hide your password for security purposes.
7. Select **Start this connection automatically**.
8. Click **Next** to complete the wireless network connection. The **Successfully added** message should display.
9. Close the Wireless Network Connection window.

B Use the WPS Pairing Button

***Note**: To use Wi-Fi Protected Setup™ (WPS), your computer must support WPS and also have WPA security compatibility.*

The WPS option automatically assigns a random SSID wireless network name and Wi-Fi Security Key to connect your SBG6580 and other WPS-enabled wireless devices to your wireless network.

1. Power ON your SBG6580 and other WPS-enabled wireless devices that you want to connect to your wireless network.
2. Press the **WPS** button on the SBG6580 front panel.
3. Press and hold the **WPS** button on your WPS-enabled computer or other WPS device for five or more seconds, then release.
4. Repeat steps 2 and 3 for each additional WPS-enabled wireless device.

Test Your Wireless Network Connection

1. If connected, disconnect the Ethernet cable from your computer and SBG6580.
2. Open a web browser on your computer.
3. Type a valid URL in the address bar (for example, **www.arrisi.com**) and then click or press **Enter**.

   If the website did not open, please contact your service provider.

Start the Gateway Web Manager

Use the SBG6580 Web Manager to set up and manage your wireless gateway and network security configurations.

1. Open a web browser on the computer connected to your SBG6580.
2. Type **192.168.0.1** in the address bar, and press **Enter**.
3. Type the default user name: **admin**.
4. Type the default password: **motorola**.
5. Click **Login** to open the SBG6580 Web Manager.